

**We Claim as Our Invention:**

1. A method for transmitting bits of voice information through a mobile radio network, the method comprising the steps of:  
5 converting the bits of voice information, dependent on an event, in the mobile radio network into a transcoded format;  
processing the bits of voice information further;  
converting the bits of voice information into a non-transcoded format; and  
transmitting the bits of voice information in the non-transcoded format.

10 2. A method for transmitting bits of voice information through a mobile radio network as claimed in claim 1, wherein the event is an intended importing of one of announcements, tones, and other bits of information into a conversation represented by the transmitted bits of voice information, wherein the  
15 step of processing includes importing the one of announcements, tones, and other bits of information into the conversation by a mixing device, and wherein the step of transmitting includes transmission in a core network of the mobile radio network.

20 3.. A method for transmitting bits of voice information through a mobile radio network as claimed in claim 1, wherein the event is one of an intended handover in the mobile radio network, and an intended handover to another mobile radio network.

25 4. A method for transmitting bits of voice information through a mobile radio network as claimed in claim 1, wherein the event is an intended duplication of the bits of voice information for a legal tapping process.

30 5. A method for transmitting bits of voice information through a mobile radio network as claimed in claim 1, wherein the step of transmitting occurs

from a radio network controller to one of another radio network controller of the mobile radio network and a gateway into another network.

6. A method for transmitting bits of voice information through a mobile radio network as claimed in claim 1, wherein the conversions are initiated by a feeding device in a media gateway of the mobile radio network.

7. A method for transmitting bits of voice information through a mobile radio network as claimed in claim 3, wherein, in the case of the event being a handover in the mobile radio network, co-heard user plane information is handed over to a new radio network controller that is not yet actively switched in order to enable an interruption-free changeover during the handover.

8. An apparatus for transmitting bits of voice information through a mobile radio network, comprising:  
a conversion device;  
a part for processing; and  
a transmission part;  
wherein the bits of voice information, dependent on an event, are converted via the conversion device into a transcoded format, are further processed via the part for processing, are again converted in the conversion device into a non-transcoded format, and are transmitted by the transmission part, in the non-transcoded format, via an interface to one of another media gateway and switch.

9. An apparatus for transmitting bits of voice information through a mobile radio network as claimed in claim 8, wherein the apparatus includes a media gateway.

10. An apparatus for transmitting bits of voice information through a mobile radio network as claimed in claim 8, further comprising one of a mixing device and a driving part for driving the mixing device for mixing the bits of voice

information in the transcoded format with one of announcements, tones and other bits of information.

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